

a1
cont.

With the carriage 30 so positioned, the servicer lifts the ink reservoir-mounting portion 50 causing it to pivot about pivot point 56 and move to the open position 60, thereby exposing the printhead mounting-portion 52 and providing access to the printheads 32a-d.

[Please cancel the paragraph beginning on page 9, line 5, and substitute in its place the following paragraph:

a2

As best shown in FIG. 10, in order to prevent the ink reservoir-mounting portion 50 from inadvertently falling out of its open position 60 during maintenance, a resistive detent 108 may be positioned in one of the ink reservoir-mounting portion 50 or the printhead mounting-portion 52. The resistive detent 108 operably engages a tab 110 extending from the other of the ink reservoir-mounting portion 50 or the printhead mounting-portion 52 when the ink reservoir-mounting portion 50 is in its open position 60, thereby holding the ink reservoir-mounting portion 50 in place.

[Please cancel the paragraph beginning on page 9, line 13, and substitute in its place the following paragraph:

a3

Preferably, a latching mechanism 112 is provided to secure the ink reservoir-mounting portion 50 in its engaged position 58 (FIG. 2). Moreover, because of the relatively large forces associated with deflecting the rods 98 of the ink flow valves out of their neutral positions, it is desirable that the latching mechanism 112 operate as a lever, thereby minimizing the amount of force required by a user to secure the lever. As best shown in FIG. 12, the latching mechanism 112 preferably includes a handle 114 pivotally secured to the ink reservoir-mounting portion 50 at a pivot 116 such that the handle 114 defines a lever arm 118 on one side of the pivot 116 and a moment arm 120 on the other side of the pivot 116. A left and right joining arm 122a, 122b, respectively, are pivotally secured to the moment arm 120 at a point spaced apart from the pivot 116. The opposite ends 124 of the joining arms 122a, 122b include openings 126 for receiving hooks 128 extending from the printhead mounting-portion 52.

[Please cancel the next two paragraphs beginning on page 11, line 5, and substitute in their place the following two paragraphs:

A4
The rearward-mounting end 142 of the ink reservoirs 24a, 24b preferably includes left and right rearward mounting end guides 158a, 158b sized to slidably engage respective mating slots 160a, 160b received on the respective side walls of the ink reservoir chambers 80a, 80b. A lever 162, operably secured toward the lower portion 164 of the rearward-mounting end 142 of the ink reservoirs 24a, 24b is biased to an extended position 166 (shown in FIG. 2). The lever 162 includes a notch 168 extending therefrom for operably engaging a lip 170 (FIG. 5) on the forward flange 72 of the ink reservoir-mounting portion 50, thereby detachably securing the ink reservoirs 24a, 24b to the ink reservoir mounting-portion 50.

Each ink reservoir 24a, 24b is installed into its respective ink reservoir chamber 80a, 80b by the installer first placing the toe end 140 into the respective ink reservoir chamber 80a, 80b such that the left and right toe-end guides 146a, 146b slidably engage guide rails 150. The user slides the toe end 140 of the ink reservoir 24a, 24b toward the toe-end guide receptacles 152. When the toe-end guides 146a, 146b are seated in their respective receptacle 152, the user then presses down on the upper surface 172 of the ink reservoir 24a, 24b toward the rearward-mounting end 142, causing the left and right rearward mounting end guides 158a, 158b to slidably engage their respective mating slots 160a, 160b, and thereby properly positing the ink reservoirs 24a, 24b into their respective ink reservoir chambers 80a, 80b.

[Please cancel the paragraph beginning on page 12, line 4, and substitute in its place the following paragraph:

A5
However, if an installer attempts to install an ink reservoir 24a, 24b in another manner besides using the toe-heel installation process, the cover 180 blocks the toe end 140 of the ink reservoir 24a, 24b from entering the respective ink reservoir chambers 80a, 80b, thereby alerting the installer of the improper installation. For example, if an installer would first attempt to secure the notch 168 extending from the lever 162 to the lip 170 on the forward flange 72, and then attempt to lower the toe end 140 of the ink reservoir 24a, 24b into the respective ink reservoir chamber 80a, 80b, the mounting portion cover 180 blocks the toe end 140 of the ink reservoir 24a, 24b from entering the respective ink chamber 80a, 80b, thereby alerting the installer of the improper installation method. Similarly, if the installer attempts insert an ink reservoir 24a, 24b into the ink reservoir chamber 80a, 80b simply by maintaining the bottom

A5
cont.

surface 190 of the ink reservoir parallel to the lower surface 192 of the respective ink reservoir chamber 80a, 80b, the mounting portion cover 180 blocks the toe end 140 of the ink reservoir 24a, 24b from entering into the respective ink reservoir chambers 80a, 80b.

[Please cancel the paragraph beginning on page 14, line 3, and substitute in its place the following paragraph:

A6

Also, should an installer improperly latch the lever 162 as described, the spring 210 will urge the rearward-mounting end 142 of the ink reservoir 24a upward, thereby visually alerting the user of the improper installation. Preferably, the printer chassis 26 includes defined stops (not shown) that operably engage the rearward-mounting end 142 when the ink reservoir 24a is in its uninstalled position 212 shown in FIG. 5. The location of the carriage 30 when the rearward-mounting end 142 contacts these stops can then be used to signal the user of the improper ink reservoir 24a installation via a computer interface, warning light, or the like.

[Please cancel the paragraph beginning on page 14, line 14, and substitute in its place the following paragraph:

A7

In general, each detachable printer component, such as the ink reservoirs 24a, 24b shown in FIG. 2, includes a unique pattern of identifying tabs 220a-f extending therefrom. For example, the left ink reservoir 24a includes tabs 220a-c, two of which are to the left of the left ink reservoir's lever 162, and the right ink reservoir 24b includes tabs 220d-f, two of which are to the right of the right ink reservoir's lever 162. This pattern of tabs 220a-f can be used to indicate the type, color, and/or quality of ink contained that particular printer. For example, the tab pattern for the left ink reservoir 24a can indicate that it contains black ink, and the tab pattern displayed on the right ink reservoir 24b can indicate that the right ink reservoir is a multi-chamber reservoir containing blue, magenta, and yellow colored ink.

In the Claims

Claims 1, 5, 12, & 17 have been rewritten herein. New claims 21-25 have been added. A complete set of claims is provided below. A redlined version of the amended claims is attached as Attachment B to this amendment.